

**UNITED STATES DISTRICT COURT
FOR THE NORTHERN DISTRICT OF OHIO
EASTERN DIVISION**

**IN RE NATIONAL PRESCRIPTION
OPIATE LITIGATION**

This document relates to:

Track Three Cases

**MDL No. 2804
Case No. 17-md-2804
Judge Dan Aaron Polster**

**DECLARATION OF STEVEN N. HERMAN IN SUPPORT OF THE PHARMACY
DEFENDANTS' MOTION TO EXCLUDE CERTAIN OPINIONS
AND TESTIMONY OF DR. KATHERINE KEYES**

EXHIBIT 33

Rx opioids including synthetic: T40.2, T40.3, T40.4				Rx opioids not including synthetic: T40.2, T40.3				All opioids: T40.1, T40.2, T40.3, T40.4*					
Year	County	Population	Deaths	Crude Rate	Deaths	Crude Rate	T40.2-T40.4 minus T40.2 and T40.3 (Deaths that had only T40.4 as a contributing Rx opioid)	% of T40.2-T40.4 deaths that only have T40.4 as contributing Rx opioid	Estimated number of Rx opioid overdose deaths	All deaths due to opioids	Deaths due directly to Rx opioids	Deaths due to non-Rx opioids	Estimated crude rate of Rx opioid overdose death
1999	National	279040168	4030	1.444	3442	1.234	588	0.145905707	4030				1.444
2000	National	281421906	4400	1.563	3785	1.345	615	0.139772727	4400				1.563
2001	National	284968955	5528	1.94	4770	1.674	758	0.137120116	5528				1.94
2002	National	287625193	7456	2.592	6483	2.254	973	0.130498927	7456				2.592
2003	National	290107933	8517	2.936	7461	2.572	1056	0.123987319	8517				2.936
2004	National	292805298	9857	3.366	8577	2.929	1280	0.129856954	9857				3.366
2005	National	295516599	10928	3.698	9612	3.253	1316	0.120424597	10928				3.698
2006	National	298379912	13723	4.599	11589	3.884	2134	0.155505356	13723				4.599
2007	National	301231207	14408	4.783	12796	4.248	1612	0.111882288	14408				4.783
2008	National	304093966	14800	4.867	13149	4.324	1651	0.111554054	14800				4.867
2009	National	306771529	15597	5.084	13523	4.408	2074	0.13297429	15597				5.084
2010	National	308745538	16651	5.393	14583	4.723	2068	0.124196745	16651				5.393
2011	National	311591917	16917	5.429	15140	4.859	1777	0.105042265	16917				5.429
2012	National	313914040	16007	5.099	14240	4.536	1767	0.110389205	16007				5.099
2013	National	316128839	16235	5.136	14145	4.474	2090	0.110389205	16235				5.136
2014	National	318857056	18893	5.925	14838	4.653	4055	0.124196745	18893				5.925
2015	National	321418820	22598	7.031	15281	4.754	7317	0.124196745	22598				7.031
2016	National	323127513	32445	10.041	17087	5.288	15358	0.124196745	32445				10.041
2017	National	325719178	40051	12.296	17029	5.228	23022	0.124196745	40051				12.296
2018	National	327167434	40893	12.499	14975	4.577	25918	0.124196745	40893				12.499
2019	National	328239523	44622	13.594	14139	4.308	30483	0.124196745	44622				13.594
1999	Ohio	11335454	99	0.87336599	81	0.714572173	18	0.181818182	99				0.873
2000	Ohio	11353140	152	1.338836657	122	1.07459258	30	0.197368421	152				1.339
2001	Ohio	11387404	222	1.949522472	179	1.571912264	43	0.193693694	222				1.95
2002	Ohio	11407889	286	2.507037016	238	2.086275559	48	0.167832168	286				2.507
2003	Ohio	11434788	260	2.273763187	224	1.958934438	36	0.138461538	260				2.274
2004	Ohio	11452251	376	3.283197338	313	2.733087146	63	0.167553191	376				3.283
2005	Ohio	11463320	418	3.646413081	335	2.922364551	83	0.198564593	418				3.646
2006	Ohio	11481213	503	4.381070188	406	3.536211723	97	0.192842942	503				4.381
2007	Ohio	11500468	534	4.643289299	448	3.895493644	86	0.161048689	534				4.643
2008	Ohio	11515391	569	4.941213025	481	4.177018392	88	0.154657293	569				4.941
2009	Ohio	11528896	462	4.007322123	388	3.365456675	74	0.16017316	462				4.007
2010	Ohio	11536504	757	6.561779894	654	5.668961758	103	0.136063408	757				6.562
2011	Ohio	11544951	818	7.085348392	710	6.149874521	108	0.13202934	818				7.085
2012	Ohio	11544225	696	6.02898852	605	5.240715596	91	0.130747126	696				6.029
2013	Ohio	11570808	730	6.308980324	603	5.211390596	127	0.130747126	730				6.309
2014	Ohio	11594163	1171	10.09990976	694	5.985770599	477	0.130747126	1171				10.099
2015	Ohio	11613423	1800	15.49930628	780	6.716366053	1020	0.130747126	1800				15.499
2016	Ohio	11614373	2875	24.75381151	867	7.464888548	2008	0.130747126	2875				24.754

